13/06 '03 FRI 09:26 FAX 31 43 3586521

B. Webb PATENT 6/25/03

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: FEREX-PETRIC

Examiner:

OROPEZA

Serial No.: 09/843,914

Group Art Unit:

3762

Filed

04/30/2001

Docket:

P- 8191,00

Title: METHODS FOR ADJUSTING CAPDIAC DETECTION CRITERIA AND IMPLANTABLE MEDICAL DEVICES USING SAME

# ASSOCIATE POWER OF ATTORNEY

Assistant Commissioner of Patents Washington, D.C. 20231

Sir or Madam:

Please recognize Eric R. Waldkoetter, Reg. No. 36,713, Thomas G. Berry, Reg. No. 31,736, Girma Wolde-Michael, Reg. No. 36,724, Daniel W. Lathan, Reg. No. 30,401, Kenneth J. Collier, Reg. No. 34,982, Curtis D. Kinghorn, Reg. No. 33,926, Stephen W. Bauer, Reg. No. 32,192, Michael C. Soldner, Reg. No. 41,455, John W. Albrecht, Reg. No. 40,481, and Paul H. McDowall, Reg. No. 34,873 as associate attorneys for the attached list of patent applications, including the above-captioned patent application, and having full authority to prosecute all matters in the Patent and Trademark Office. Please direct all further correspondence to: Eric R. Waldkoetter, c/o Kathy Illg, Medtronic, Inc., 710 Medtronic Parkway (MS-LC340), Minneapolis, Minnesota 55432-5604.

Respectfully submitted,

6-76-0

Date

Thomas F. Woods

Reg. No. 36,726 MEDTRONIC, INC.

710 Medtronic Parkway, N.E.

Minneapolis, Minnesota 55432-5604

Telephone: (763) 505-0421

Attachment:

List of Patent Applications (11 pages)

ocket No.	Ctry Rel.	Rel. # Type Status	Group	Div.	Attorn		App No	Pat
10029.00	vs	F		LW091	TFW		10/127,034 04/22/2002	
	Agent: TITLE: PER INVENTORS:	CISE CARDIAC LEAD P Smits, Karel F.A.A Struble, Chester L	•	BASED ON	Agent Re IMPEDAN	ef. No: NCE MEAS		
10157.00	US	F		LW091	TFW		10/127,037 04/22/2002	
	Agent: TITLE: CAF INVENTORS:	DIAC RESYNCHRONIZAT Grandjean, Pierre i Struble, Chester L	A.	ADAPTIVE	Agent Re Al-A2 AM	ef. No: ND OR VI	-V2 INTERVALS	
10183.00	us	F		LWO91	TFW		09/897,291 06/29/2001	
	Agent: TITLE: CAT INVENTORS:	HETER SYSTEM HAVING Greco, Franceco		BLB BALLO	Agent Re QN	ef. No:		
	, ,	Jorgensen, Kenneth Nielsen, Marianne Pedersen, Anders K Aundal, Knud						
10194.00	us .	F		LW091	TFW		10/126,733 04/22/2002	
		TIMATION OF STROKE V	OLUME AN	D CARDIAC	Agent Re OUTPUT (	ef. No: USING AL	N INTRACARDIAL	PRESSURE
	INVENTORS:	Muhlenberg, Lamber Struble, Chester L						
10282.00	US	F		LW091	TFW		10/126,710 04/22/2002	
		RDIAC OUTPUT MEASURE WTRICLES Struble, Chester L Muhlenberg, Lamber	t	ng dual o	Agent Re XYGEN SEN	ef. No: NSORS IN	N RIGHT AND LEP	T
	THA THI OWN :	Grandjean, Pierre	ù.					
10283.00	US		· ·	LW091	TPW		10/126,816 04/22/2002	
P10283.00	US Agent:	Grandjean, Pierre			Agent Re		10/126,816 04/22/2002	
P10283.00	US Agent: TITLE: ORG	Grandjean, Pierre	ING TO C		Agent Re		•	
	US Agent: TITLE: ORG INVENTORS:	Grandjean, Pierre  F  SANIZING DATA ACCORD  Struble, Chester L  Nuhlenberg, Lamber	ING TO C		Agent Re		•	
	US Agent: TITLE: ORG INVENTORS:  US Agent: TITLE: AT	F SANIZING DATA ACCORD Struble, Chester L Muhlenberg, Lamber Grandjean, Pierre	ING TO C.	ARDIAC RH	Agent Re YTHM TYPI	<b>.</b>	10/127,038	
10321.00	US Agent: TITLE: ORG INVENTORS:  US Agent: TITLE: AT	Grandjean, Pierre  F  SANIZING DATA ACCORD  Struble, Chester L  Muhlenberg, Lamber  Grandjean, Pierre  F  RIOVENTRICULAR DELAY  Struble, Chester L	ING TO C.	ARDIAC RH	Agent Re YTHM TYPI TPW	<b>.</b>	10/127,038	
P10321.00	US  Agent: TITLE: ORC INVENTORS:  US  Agent: TITLE: AT; INVENTORS:  US  Agent: TITLE: SE; TITLE: SE;	Grandjean, Pierre  F  SANIZING DATA ACCORD Struble, Chester L Muhlenberg, Lamber Grandjean, Pierre  F  RIOVENTRICULAR DELAY Struble, Chester L Muhlenberg, Lamber  F  ANLESS COMMUNICATION FFEM	ING TO C. t A. ADJUSTM	ARDIAC RH LW091 ENT LW091 AN IMPLA	Agent Re YTHM TYPI  TFW  Agent Re  TFW  Agent Re	ef. No:	10/127,038 04/22/2002 10/126,638 04/22/2002	Mote
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P10283.00 P10321.00 P10344.00	US  Agent: TITLE: ORC INVENTORS:  US  Agent: TITLE: AT; INVENTORS:  US  Agent: TITLE: SE; TITLE: SE;	Grandjean, Pierre  F  SANIZING DATA ACCORD Struble, Chester L Muhlenberg, Lamber Grandjean, Pierre  F  RIOVENTRICULAR DELAY Struble, Chester L Muhlenberg, Lamber  F  SANLESS COMMUNICATION HOUSEN, Richard P	ING TO C. t A. ADJUSTM t	ARDIAC RH LW091 ENT LW091 AN IMPLA	Agent Re YTHM TYPI  TFW  Agent Re  TFW  Agent Re	ef. No:	10/127,038 04/22/2002 10/126,638 04/22/2002	Mote

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ocket No.	Ctry R	Rel. # Typ		Group		Attor	ey	App No	Pat
0408.00	us -		P		LW091	TPW		10/133,466	
	Agent: TITLE: INVENTO	STIMULATION C DRS: Gielen, P		R BRAIN	STIMULAT	Agent Re ION	f. No:	04/29/2002	
0410.00	US	L	P		LW091	TFW		60/333,473	
	Agent: TITLE:	METHOD TO SEN FEEDBACK TO C MEDICAL DEVIC ORS: Mullett,	ontrol a E	IN SIGNAI BRAIN NE	CORRESP EUROSTIMU	Agent Re ONDING TO LATOR, DRI	PERCEP	11/28/2001 TION OF PAIN STION DEVICE,	AND USE AS OR OTHER
10410.00	US		F		LW091	TFW		10/132,508	
·	Agent: TITLE: INVENTO	BRAIN SIGNAL DRS: Mullett,		FOR PAIN	n nanagem	Agent Re ENT	f. No:		
10438.00	US		F		LW091	TFW		10/131,261 04/25/2002	
	Agent: TITLE: INVENTO	IMPLANTABLE E DRS: Perek-Pet			erapy dev	Agent Ri ICE AND MI	ef. No:		1
10489.00	υs	L	P		£W091	ФFW		60/336,728 12/07/2001	
	Agent: TITLE: INVENTO	PRECORDIAL SU CARDIOVERTER ORS: Smits, Ka	DEFIBRIL	LATOR	ELECTROD	Agent Ro E ARRANGEI	ef. No: KENT FO		BLE
10498.00	US	L	F		LW091	TFW		60/375.080 04/25/2002	
		PACEMAKER BLA ORS: Zeijlemak			C RESONAN	Agent Ro CE IMAGIN			
10499.00	US	Y.	F		LW091	TFW		60/375,076 04/25/2002	
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10500.00	US	L	P		LW091	TFW		60/375,077 04/25/2002	
•	Agent: TITLE:	TELEMETRY BLA DEVICES	MKING FO	R PACEMAI	KERS AND	Agent Re			IAGING (MRI)
	INVENTO	ORS: Zeijlemak	er, Volke	ert A					
10512.00	US	r.	F		LW091	TFW		60/375,081 04/25/2002	
	Agent: TITLE: INVENTO	·	CONTROLI Adrianus Sichard P	P. (Jos)	)	Agent R	ef. No:		
4059.01	US		P	- <u> </u>	LW091	TPW		-09/558,869 04/28/2000	
		Frank B. Dehr METHOD AND AF ORS: Sutton, F	PARATUS I	FOR INHII	BITING OR	Agent Ro MINIMIZI			AORTIC VALV
4517.00	US		P		LW091	TFW		09/542,258 04/03/2000	
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PATENT RECORD SEARCH

Pat No. Ctry Rel. # Type Status Group Div. App No Attorney Docket No. \_\_\_\_\_ 09/721,881 TFW f.W091 P4566.00 US 11/27/2000 Agent Ref. No: Agent: TITLE: STENTS AND METHODS FOR PREPARING STENTS FROM WIRES HAVING HYDROGEL COATING LAYERS THEREON INVENTORS: Verhoeven, Michel Cahalan, Patrick T. Cahalan, Linda L. Larik, Vincent 09/494,531 LW091 24782.03 US 01/31/2000 Agent: Agent Ref. No: TITLE: SYSTEM AND METHOD FOR RESPIRATION ~ MODULATED PACING INVENTORS: Renirie, Alexis C.M. Schouten, Vincent JA M F LW091 09/433,567 ~ 01 P4971.04 US 11/04/1999 Agent Ref. No: Agent: TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT INVENTORS: Houben, Richard P M Remirie, Alexis C.M. Weijand, Koen J. 09/551,216 LW091 02 P4971.05 US P 04/17/2000 Agent Ref. No: Agent: TITLE: A SYSTEM FOR DELIVERING INSULIN INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J. 09/945,686 C 02 TEN P4971.07 LW091 09/05/2001 Agent Ref. No: Agent: TITLE: SYSTEM FOR PANCREATIC STIMULATION AND GLUCOSE MEASUREMENT INVENTORS: Houben, Richard P M Renirie, Alexis C.M. Weijand, Koen J. P7322.02 01 F LW091 TPW 09/558,872 US 04/28/2000 Agent Ref. No: Agent: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR TITLE: INVENTORS: Renaud, Philippe Haller, Markus Amacker, Christian LW091 09/712,237 P7322.04 US С 11/15/2000 Agent Ref. No: Agent: IMPLANTABLE DRUG INFUSION DEVICE HAVING A FLOW REGULATOR INVENTORS: ... Renaud, Philippe Haller, Markus Amacker, Christian P7326.02 01 LW091 09/273,457 a US 03/22/1999 Agent Ref. No: Agent: TITLE: MEDICAL ELECTRICAL LEAD INVENTORS: Woloszko, Jean Camps, Antoine N J M (Toine) Van Der Kruk, Ron P7354.02 υs 01 М LW091 09/494,530 01/31/2000 Agent Ref. No: TITLE: SAFTEY VALVE ASSEMBLY FOR IMPLANTABLE BENEFICIAL AGENT INFUSION DEVICE INVENTORS: Haller, Markus Weijand, Koen J.

Docket No.	Ctry	Rel.	Rel. #	Type Status		Div.	Attorney	ADD NO	Pat	N
P7354.03	us	<b>P</b>	02	F		LW091	TFW	09/519,563 03/06/2000	<b>-</b>	_
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	TITLE			COSTHESIS FOR I	DELIVERY	OF MEDI	CAL TREATMENT	<b>)</b>		
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06/24/2002 PATENT RECORD SEARCH App No Pat No. Rel. Rel. # Type Status Group Div. Attorney Ctry Docket No. 09/340,440 LW091 TFW p7565.00 06/28/1999 Agent Ref. No: Agent: TITLE: IMPLANTABLE DEVICE INCLUDING A POLYAMINO ACID COMPONENT INVENTORS: Larik, Vincent Mendriks, Marc Cahalan, Patrick T. Verhoeven, Michel Cahalan, Linda L. 09/946,495 LW091 P7640.08 US 09/06/2001 Agent Ref. No: Agent: - . - - - - -FOUR-CHAMBER PACING SYSTEM FOR OPTIMIZING CARDIAC OUTFUT AND DETERMINING TITLE: HEART CONDITION INVENTORS: Leinders, Robert Bakels, Arnoldus P. DeRoos. Cobus 09/449,936 LW091 TFW P7718.00 US 11/29/1999 Agent Ref. No: Agent: MEDICAL ELECTRICAL LEAD HAVING BENDING STIPFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A. P7718.03 D LW091 TIM 09/947,060 บธ 09/06/2001 Agent Ref. No: Agent: MEDICAL ELECTRICAL LEAD HAVING BENDING STIPFNESSES WHICH INCREASE IN THE DISTAL DIRECTION INVENTORS: Smits, Karel F.A.A. LW091 TFW 09/832,925 P7853.01 04/12/2001 Agent Ref. No: Agent: APPARATUS AND METHOD FOR MEASURING THE AMOUNT OF FLUID CONTAINED IN AN TITLE: IMPLANTABLE MEDICAL DEVICE INVENTORS: Peer, Twan Bakels, Arnoldus P. 09/799.709 T.DIO 9.1 P7856.02 UŚ 01 TEW 03/07/2001 Agent Ref. No: Agent: TITLE: SYSTEM AND METHOD FOR OPTIMIZED BRAIN STIMULATION INVENTORS: Gielen, Frans L H LW091 09/340,441 P7902.00 06/28/1999 Agent Ref. No: TITLE: METHOD FOR COATING IMPLANTABLE DEVICES INVENTORS: Martinez, Conzalo Taylor, John J Keeney, Kenneth W. Haller, Markus 09/779,535 P7946.00 LW091 TFW 02/09/2001

TITLE: METHODS FOR MODIFYING SURFACES OF ARTICLES

Cahalan, Patrick T. Iwata, Hiroo

INVENTORS: Koullik, Edouard ...

INVENTORS: Ferek-Petric, Bozidar

Agent Ref. No:

Agent Ref. No:

09/348,506

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TFW

LW091

SYSTEM FOR REMOTE COMMUNICATION WITH A MEDICAL DEVICE

us

Agrent:

P8027.00

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cket No.		Type Status Gr	oup Div.	Attorney	App No	
P8032.00	US	F	LW091	TFW	09/842,404 04/36/2001	
	Agent: TITLE: DIAGNOST INVENTORS: Stru	IC FEATURES IN BI- ble, Chester L.	ATRIAL AND/O	Agent Ref. No R BI-VENTRICULA	r pacing systems	
P8047.00	US	P	LW091	TFW	09/518,796 03/03/2000	·
	INVENTORS: Houb		TORING AND C	Agent Ref. No ONTROLLING THE	: GLYCEMIC STATE OF A	PATIENT
3131.00	us	F	LW091	TFW	09/55B,867 04/28/2000	
		SINUS FLOW REGULA k-Petric, Bozidar	TED PACING	Agent Ref. No		
3158.00	US	F	LW091	TEM	09/558,870 04/28/2000	
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		k-Petric, Bozidar				
3158.02	US D 01	P	LW091	TFW	104085 <sub>7</sub> 072 03/01/2002	
		HEART DISEASE DET k-Petric, Bozidar	ECTION	Agent Ref. No	<b>);</b>	
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		HEART DISEASE DET k-Petric, Bozidar	ECTION	Agent Ref. No	):	
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3240.00	US	F	LW091	TFW	09/779,536	
	Agent:			Agent Ref. No	. 02/09/2001	
	TITLE: HEPARIN INVENTORS: Koul	COMPOSITIONS AND M lik. Edouard	ETHODS OF MA	KING AND USING	THE SAME	
3278.00	us	F	LW091	TFW	09/842,879 04/27/2001	
	TITLE: CONTROL INVENTORS: Etru	Raasch, Gebhardt OF PACING RATE IN ble, Chester L. am, David	MODE SWITCHI	Agent Ref. No NG IMPLANTABLE	: 134.01550101	
3279.00	us	F	LW091	TFW	09/842,884 04/27/2001	
		D VENTRICULAR SAFE ble. Chester L.		···Agent Ref. No		
3392.00	US	F	LW091	TFW	09/842,233 04/26/2001	
	INVENTORS: Stru	IS ACTIVATION OF A ble, Chester L. djean, Pierre A.	CCELERATED P	Agent Ref. No ACING		

Docket No.		. Rel. # Typ	pe Status	Group	Div.	Attorne	-	App No	Pat
P8418.00	us		F		IW091	TPW		09/353,619 07/15/1999	
		SYSTEM FOR PA S: Holsheim		DICAL E	LECTRICA	Agent Ref L STIMULATI			
P8553.00	US P	01	F		LW091	TFW		09/519,562 03/06/2000	
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P8572.00	ບຮ		F		LW091	TFW		10/004,848 12/04/2001	
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P8573.00	บร		P		LW091	TFW		09/727,461 12/04/2000	
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p8692.00	us			F		LW091	TFW		09/727,462 12/04/2000			
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	TITLE: IMPLANTABLE MEDICAL DEVICE TELEMETRY CONTROL SYSTEMS AND METHODS OF USE INVENTORS: Perek-Petric, Bozidar											
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#### PATENT RECORD SEARCH

Pat No. Group Div. Attorney App No Rel. Rel. # Type Status Docket No. Ctry 10/132,509 LM091 TFW US 29258.00 04/26/2002 Agent Ref. No: Acent: TITLE: ABLATION METHOD AND MEDICAL APPARATUS USING SAME INVENTORS: Ferek-Petric, Bozidar LW091 TFW 09/764,700 P9416.00 ŲS P 01 01/18/2001 Agent Ref. No: Agent: SYSTEM AND METHOD FOR EMERGENCY COMMUNICATION BETWEEN AN IMPLANTABLE MEDICAL TITLE: DEVICE AND A REMOTE COMPUTER SYSTEM OF HEALTH CARE PROVIDER INVENTORS: Haller, Markus Perek-Petric, Bozidar Donders, Adrianus F. (Jos) 09/765,218 LW091 P9417.00 US 01/18/2001 Agent Ref. No: Agent: SYSTEM AND METHOD OF AUTOMATED INVOICING FOR COMMUNICATIONS BETWEEN AN TITLE: IMPLANTABLE MEDICAL DEVICE AND A REMOTE COMPUTER SYSTEM FOR HEALTH PROVIDER INVENTORS: Haller, Markus Parak-Petric, Bozidar Donders, Adrianus P. (Jos) 09/764,681 LW091 P9418.00 US 01/18/2001 Agent Ref. No: ..... Agent: TITLE: SYSTEM AND METHOD FOR REMOTE PROGRAMMING OF AN IMPLANTABLE MEDICAL DEVICE INVENTORS: Haller, Markus Perek-Petric, Bozidar Donders, Adrianus P. (Jos) P9436.00 ZZS LW091 09/842,147 04/26/2001 Agent Ref. No: Agent: TITLE: PRESSURE- MODULATED RATE-RESPONSIVE CARDIAC PACING INVENTORS: Struble, Chester L. P9437.00 LW091 10/126,538 US 04/22/2002 Ağent Ref. No: Agent: IMPLANTABLE DRUG DELIVERY SYSTEM RESPONSIVE TO INTRA-CARDIAC PRESSURE INVENTORS: Struble, Chester L. P9440.00 ug LW091 TPW 09/842,148 04/26/2001 Agent Ref. No: DRUG DELIVERY FOR TREATMENT OF CARDIAC ARRHYTHMIA INVENTORS: Struble, Chester L. 10/126,858 LW091 TFW P9463.00 UŚ 04/22/2002 Agent Ref. No: Agent: . ..... TITLE: PRESSURE-MODULATED ENERGY LEVEL FOR PACING PULSES INVENTORS: Struble, Chester L. 10/126,539 P9464.00 UŞ LW091 TFW 04/22/2002 Agent Ref. No: CARDIAC RESTRAINT WITH ELECTRODE ATTACHMENT SITES INVENTORS: Struble, Chester L. Grandjean, Pierre A. Zeijlemaker, Volkert A Smits, Karel F.A.A.

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	Agent: TITLE: TR INVENTORS:	ANS-SEPTAL MEDICAL ELI Struble, Chester L. Prinzen, Frits W. Smits, Karel F.A.A. Muhlenberg, Lambert Grandjean, Pierre A. Michels, Koen Lokhoff, Nicolaas M		Agent Ref. N AND MRTHODS OF	o:	er
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		RECTIONAL BRAIN STIMUM Van Venrooij, Paulum Gielen, Frans L H Mullett, Keith R.		Agent Ref. N RDING LEADS		

PATENT RECORD SEARCH

Pat No. Rel. Rel. # Type Status Group Div. Attorney App No Docket No. Ctry F 10/131,256 LW091 P9897.00 US WTT 04/25/2002

Agent Ref. No: TITLE: ULTRASOUND METHODS AND IMPLANTABLE MEDICAL DEVICES USING SAME INVENTORS: Ferek-Petric, Bozidar

Breyer, Branko

10/127,041 LW091 TFW P9929.00 ŲS P 04/22/2002

Agent Ref. No: Agent:

Agent: Agen TITLE: ANTI-SLIP LEADS FOR PLACEMENT WITHIN TISSUE INVENTORS: Struble, Chester L. Grandjean, Pierre A. Smits, Karel F.A.A.

98 TOTAL RECORDS REPORTED